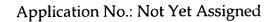
0/528992

Application No.: Not Yet Assigned

Docket No.: 0020-5361PUS1
JC17 Rec'd PCT/PTO 24 MAR 2005

AMENDMENTS TO THE CLAIMS

- 1. (Original) A fructosylamine oxidase derived from Fusarium proliferatum.
- 2. (Original) A fructosylamine oxidase derived from *Fusarium proliferatum*, which has the following physicochemical characteristics:
- (1) It is almost equally or more active on fructosyl valine as compared to fructosyl lysine;
 - (2) The optimum pH for enzyme reaction is 7.5;
 - (3) The optimum temperature for stability of enzyme is about 30-40°C; and
- (4) The molecular weight is about 39 kDa when estimated by SDS-PAGE, and is about 39.4 kDa when estimated by gel filtration.
- 3. (Original) The fructosylamine oxidase of claim 2 which comprises the amino acid sequence shown in SEQ ID NO: 4.
- 4. (Original) A fructosylamine oxidase derived from *Fusarium proliferatum*, which has the following physicochemical characteristics:
 - (1) It is not detectably active on fructosyl lysine but is active on fructosyl valine;
 - (2) The optimum pH for enzyme reaction is 7;
 - (3) The optimum temperature for stability of enzyme is about 30-40°C; and
- (4) The molecular weight is about 49 kDa when estimated by SDS-PAGE, and is about 58 kDa when estimated by gel filtration.



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5. (Original) The fructosylamine oxidase of claim 4, which comprises the amino acid sequence shown in SEQ ID NO: 6.

- 6. (Currently Amended) A *Fusarium proliferatum* (FERM BP-8451) characterized in that it produces the fructosylamine oxidase of any one of claims 1 to 5. claim 1.
- 7. (Currently Amended) A DNA encoding the fructosylamine oxidase of any one of claims 1 to 5. claim 1.
- 8. (Currently Amended) The DNA of claim 7, which comprises the nucleotide sequence shown in SEQ ID NO: 3 or SEQ ID NO: 5.
 - 9. (Currently Amended) A host cell transformed with the DNA of claim 7 or 8. claim 7.
- 10. (Original) A process for preparing a fructosylamine oxidase, which comprises culturing the microorganism of claim 6 or the host cell of claim 9 in a medium and recovering the fructosylamine oxidase from the culture.
- 11. (Original) A method of measuring amadori compound in a sample characterized in that the fructosylamine oxidase of any one of claims 1 to 5.